

✓ ✓  
Page 62, line 6 from the bottom, change "Organic" to --The organic--.

✓ ✓  
Page 69, line 14, change "Organic" to --The organic--.

✓ ✓  
Page 72, line 12, change "Aqueous" to --The aqueous--.

✓  
Page 74, last line, change "Organic" to --The organic--.

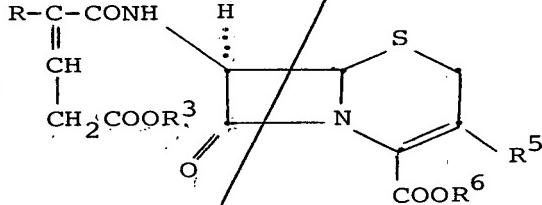
✓ ✓  
Page 75, line 6, change "Organic" to --The organic--.

✓ ✓  
Page 76, line 10, change "Organic" to --The organic--.

IN THE CLAIMS:

Cancel, without prejudice to the subject matter involved, claims 1 - 28 inclusive and insert in their stead the following new claims:

--29. A compound of the formula



wherein R is 2-aminothiazol-4-yl the amino group of which is unprotected or protected with a protecting group,

*N*  
*P*  
*Gent C1*  
*N*  
*K*

*B1 cont*

$R^3$  is hydrogen, a pharmacologically acceptable salt forming group, a lower aralkyl group or a lower alkylene group,

$R^5$  is hydrogen, methyl, vinyl, cyanovinyl, trifluoropropenyl, methoxymethyl, carbamoyloxymethyl, methylthiomethyl, cyanomethylthiomethyl, thiadiazolylthiomethyl, triazolylthiomethyl, amino-methylthiadiazolylthiomethyl, aminothiadiazolylthiomethyl, methoxy, fluoroethylthio, trifluoroethylthio, or halogen, and  
 $R^6$  is hydrogen, a pharmacologically acceptable salt forming atom or group, a lower alkyl group, a lower alkenyl group or a lower aralkyl group.

*30.* A compound according to claim *29* wherein

*P*  $R^3$  is hydrogen or a pharmacologically acceptable salt forming group,

*P*  $R^5$  is hydrogen, methyl, vinyl, trifluoropropenyl, methoxymethyl, carbamoyloxymethyl, methylthiomethyl, cyanomethylthiomethyl, thiadiazolylthiomethyl, methoxy, fluoroethylthio, trifluoroethylthio, or halogen, and

*P*  $R^6$  is hydrogen or a pharmacologically acceptable salt forming atom or group.

*31.* A compound according to claim *29*, said compound being

$7\beta\text{-}[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]_3\text{-}\beta\text{-cephem-4-carboxylic acid.}$

*32.* A compound according to claim *29*, said compound being

$7\beta\text{-}[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]_3\text{-}\beta\text{-methyl-3-cephem-4-carboxylic acid.}$

*5*  
33. A compound according to claim 26, said compound being  
7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
vinyl-3-cephem-4-carboxylic acid.

*6*  
34. A compound according to claim 26, said compound being  
7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
trifluoropropenyl-3-cephem-4-carboxylic acid.

*7*  
35. A compound according to claim 26, said compound being  
8    9 7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
carbamoyloxymethyl-3-cephem-4-carboxylic acid.

*8*  
36. A compound according to claim 26, said compound being  
8    9 7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
methoxymethyl-3-cephem-4-carboxylic acid.

*9*  
37. A compound according to claim 26, said compound being  
8    9 7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
methylthiomethyl-3-cephem-4-carboxylic acid.

*10*  
38. A compound according to claim 26, said compound being  
8    9 7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
cyanomethylthiomethyl-3-cephem-4-carboxylic acid.

*N P*  
39. A compound according to claim 29, said compound being  
7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
triazolylthiomethyl-3-cephem-4-carboxylic acid.

*N C2 H*  
40. A compound according to claim 29, said compound being  
7beta-[2-(2-aminothiazol-4-yl)-4-carboxy-2-butenoylamino]-3-  
thiadiazolylthiomethyl-3-cephem-4-carboxylic acid.

- C  
B1 Correct
- 13  
48. A compound according to claim 29, said compound being  
 $7\beta\alpha-[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]-3\beta$   
methoxy-3-cephem-4-carboxylic acid.
- 14  
49. A compound according to claim 29, said compound being  
 $7\beta\alpha-[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]-3\beta$   
chloro-3-cephem-4-carboxylic acid.
- 15  
48. A compound according to claim 29, said compound being  
 $7\beta\alpha-[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]-3\beta$   
 $\alpha$ -fluoroethylthio-3-cephem-4-carboxylic acid.
- 16  
44. A compound according to claim 29, said compound being  
 $7\beta\alpha-[2-(2\text{-aminothiazol-4-yl})-4\text{-carboxy-2-butenoylamino}]-3\beta$   
 $\alpha$ ,  $\alpha$ -trifluoroethylthio-3-cephem-4-carboxylic acid.
- 17  
45. An antibacterial composition which comprises an antibacterially effective amount of a compound of claim 29 and a pharmaceutically acceptable carrier therefor.
- 18  
46. A method for combatting bacteria which comprises bringing an antibacterially effective amount of a compound of claim 29 into contact with the bacteria.

R E M A R K S

Further and favorable reconsideration is respectfully requested.

The specification has been reviewed for errors and certain editorial corrections are effected. It is believed that these